



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
I-2-149.1USSERIAL NO.
09/755,200

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APPLICANT
Ariela Zeira

APR 12 2001

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FILING DATE
January 5, 2001GROUP
2681

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>BB</i>	AA	Anja Klein and Paul W. Baier, "Linear Unbiased Data Estimation in Mobile Radio Systems Applying CDMA", IEEE Journal on Selected Areas in Communications, Vol. 11, No. 7, September 1993, pp. 1058-1065
<i>BB</i>	AB	Lars K. Rasmussen, Teng J. Lim and Ana-Louise Johansson, "A Matrix-Algebraic Approach to Successive Interference Cancellation in CDMA", IEEE Transactions on Communications, Vol. 48, No. 1, January 2000, pp. 145-151
<i>BB</i>	AC	Anja Klein, Ghassan Kawas Kaleh and Paul W. Baier, "Zero Forcing and Minimum Mean-Square-Error Equalization for Multiuser Detection in Code-Division Multiple-Access Channels", IEEE Transactions on Vehicular Technology, Vol. 45, No. 2, May 1996, pp. 276-287
<i>BB</i>	AD	H.R. Karimi and N.W. Anderson, "A Novel and Efficient Solution to Block-Based Joint-Detection Using Approximate Cholesky Factorization", Ninth IEEE International Symposium, Vol. 3, September 8-11, 1998, pp. 1340-1345
<i>BB</i>	AE	Pulin Patel and Jack Holtzman, "Analysis of a Simple Successive Interference Cancellation Scheme in a DS/CDMA System", IEEE Journal on Selected Areas in Communications, Vol. 12, No. 5, June 1994, pp. 796-807
<i>BB</i>	AF	Andrew L. C. Hui and Khaled Ben Letaief, "Successive Interference Cancellation for Multiuser Asynchronous DS/CDMA Detectors in Multipath Fading Links", IEEE Transactions on Communications, Vol. 46, No. 3, March 1998, pp. 384-391
<i>BB</i>	AG	Youngkwon Cho and Jae Hong Lee, "Analysis of an Adaptive SIC for Near-Far Resistant DS-CDMA", IEEE Transactions on Communications, Vol. 46, No. 11, November 1998, pp. 1429-1432

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a. Horwitz

DATE CONSIDERED

12/20/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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STATEMENT BY APPLICANT
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ATTY. DOCKET NO.
I-2-149.1USSERIAL NO.
09/755,400APPLICANT
Ariela ZeiraFILING DATE
January 5, 2001GROUP Technology Center 26
2681

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

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							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AH	Tik-Bin Oon, Raymond Steele and Ying Li, "Performance of an Adaptive Successive Serial-Parallel CDMA Cancellation Scheme in Flat Rayleigh Fading Channels", IEEE Transactions on Vehicular Technology, Vol. 49, No. 1, January 2000, pp. 130-147
	AI	"Channel Impulse Response Model", UMTS 30.03 version 3.2.0, TR 101 112 version 3.2.0 (1998), pp. 42-43 and 65-66
	AJ	3rd Generation Partnership Project; Technical Specification Group Radio Access Networks; UTRA (UE) TDD; Radio Transmission and Reception 3G TS 25.102 version 3.3.0 Release 1999, p. 37
	AK	3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels onto Physical Channels (TDD), 3G TS 25.221 version 3.2.0 (2000-03), pp. 3-10
	AL	H.R. Karimi et al., "A Novel and Efficient Solution to Block-Based Joint-Detection Using Approximate Cholesky Factorization", IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, Vol. 3, 1998, pp. 1340-1345
	AM	J. Malard et al., "Efficiency and Scalability of Two Parallel QR Factorization Algorithms", Proceedings of the Scalable High-Performance Computing Conference (Cat. No. 94TH0637-9), Proceedings of IEEE Scalable High Performance Computing Conference, Knoxville, TN, USA, 23-25 May 1994, pp. 615-622

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Sheet 1 of 1

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APPLICANT Ariela Zeira		
	FILING DATE January 5, 2001	GROUP 2681

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FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Steiner B et al., "Optimum and Suboptimum Channel Estimation for the Uplink of CDMA Mobile Radio Systems with Joint Detection," European Transactions on Telecommunications and Related Technologies, IT, AEI, Milano, vol. 5, no. 1, 1994, pages 39-50
	AP	Weilin Liu, "Performance of Joint Data and Channel Estimation Using Tap Variable Step-Size (TVSS) LMS for Multipath Fast Fading Channel," Proceedings of the Global Telecommunications Conference (GLOBECOM), 28 November 1994, pages 973-978

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S. obscure

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								APPLICANT Ariela Zeira						
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U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		5	9	3	3	7	6	8						
<i>AS</i>	AQ	5	9	3	3	7	6	8	08/1999	Sköld et al.				
<i>AS</i>	AR	5	9	7	0	0	6	0	10/1999	Baier et al.				
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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		1	1	6	3	0	2	4					YES	NO
<i>AS</i>	AS	1	1	6	3	0	2	4		CN			X *	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)														
EXAMINER								DATE CONSIDERED						
<i>Zeira</i>								12 20 04						

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* Abstract Only